

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073179.D
 Acq On : 20 May 2022 12:00
 Operator : VA/SY
 Sample : N2842-20
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P023-SS004-0006-01

Quant Time: May 20 13:10:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

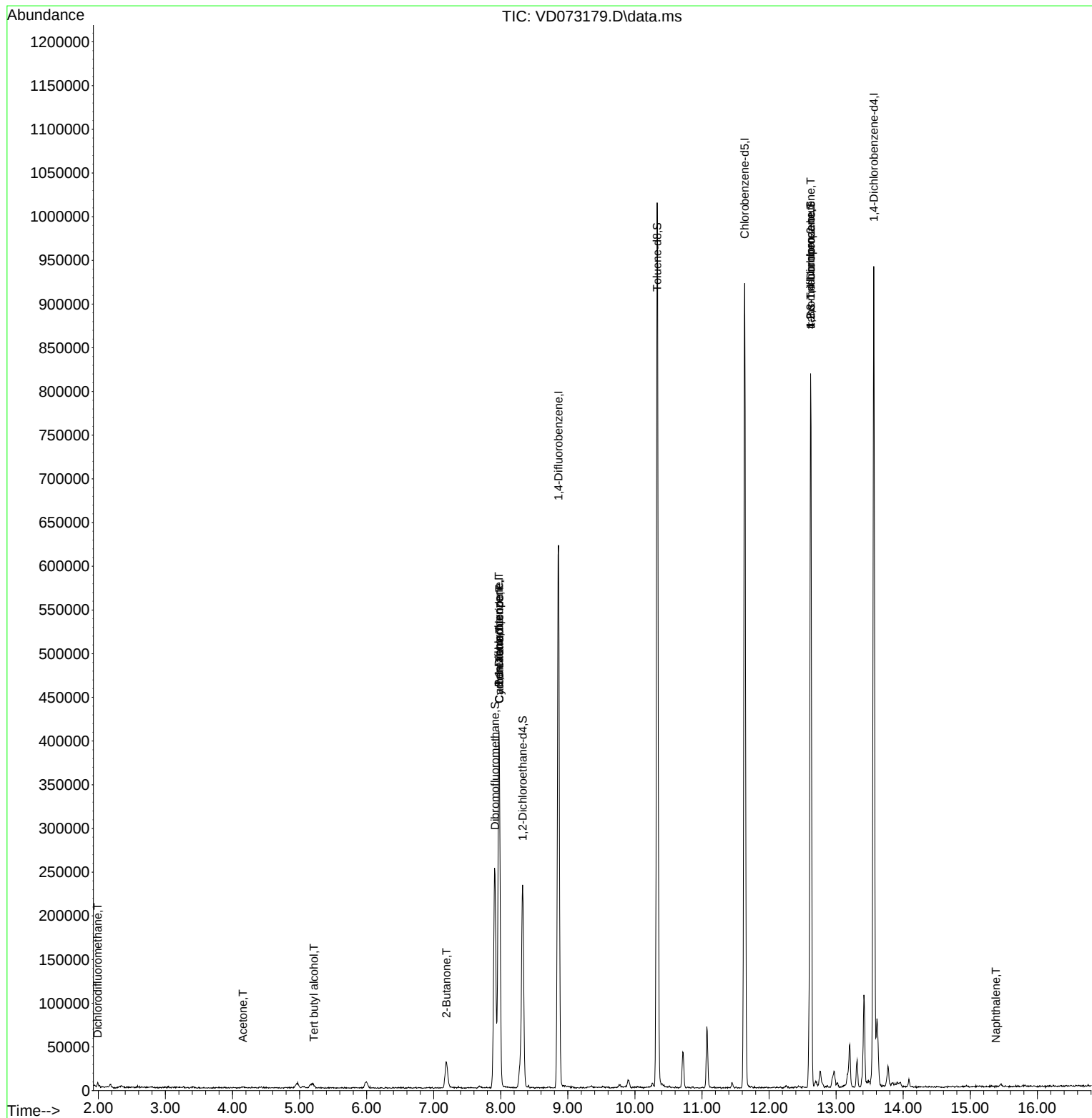
Internal Standards						
1) Pentafluorobenzene	7.973	168	295050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	529216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	544478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	243102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	178812	54.838	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.680%	
35) Dibromofluoromethane	7.914	113	184794	52.917	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.840%	
50) Toluene-d8	10.331	98	660454	51.306	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.620%	
62) 4-Bromofluorobenzene	12.620	95	241470	53.451	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	3331	1.130	ug/l	98
5) Bromomethane	2.785	94	549	Below Cal	#	15
11) Tert butyl alcohol	5.214	59	2294	4.534	ug/l #	85
13) Acrolein	3.973	56	60	Below Cal	#	14
16) Acetone	4.155	43	2395	4.241	ug/l	95
20) Methylene Chloride	4.973	84	4307	Below Cal	#	71
25) 2-Butanone	7.190	43	1522	1.842	ug/l #	52
31) Cyclohexane	7.979	56	7726	1.356	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26254	4.999	ug/l #	50
38) Carbon Tetrachloride	7.979	117	30884	5.801	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	121270	50.842	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	121270	122.055	ug/l #	7
95) Naphthalene	15.384	128	343	3.581	ug/l #	70

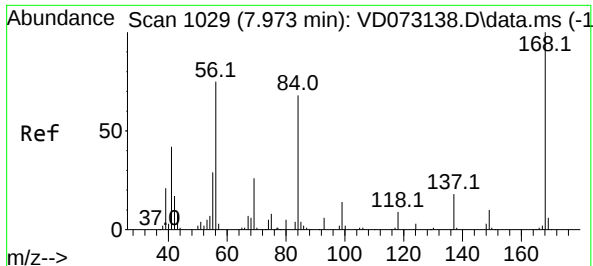
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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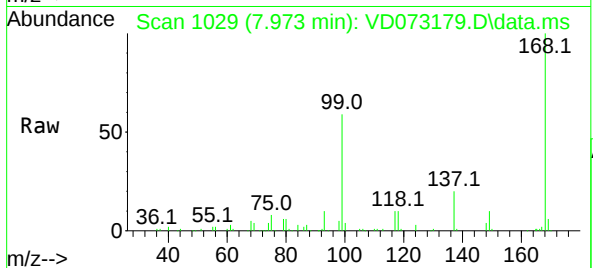
Quant Time: May 20 13:10:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration



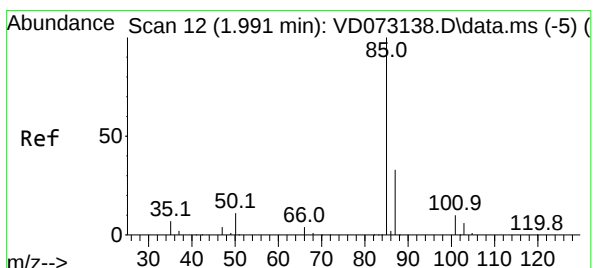
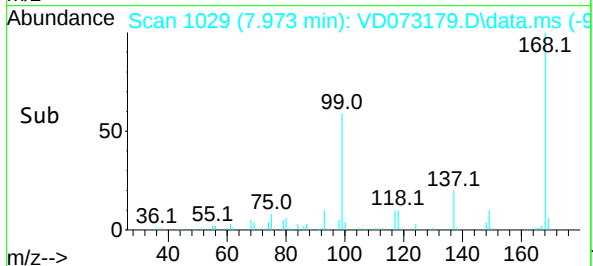
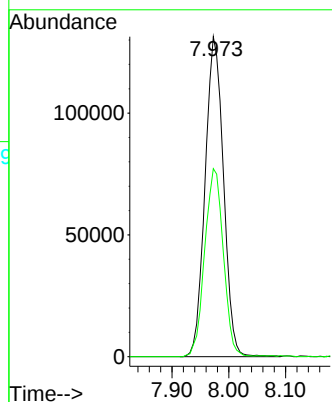


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

Instrument :
MSVOA_D
ClientSampleId :
P023-SS004-0006-01

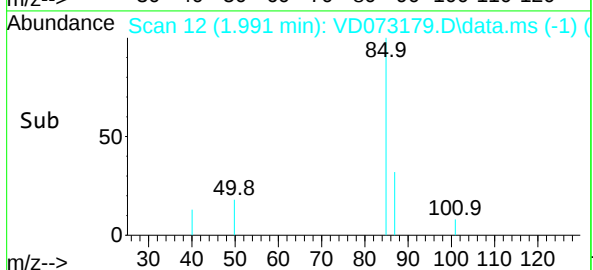
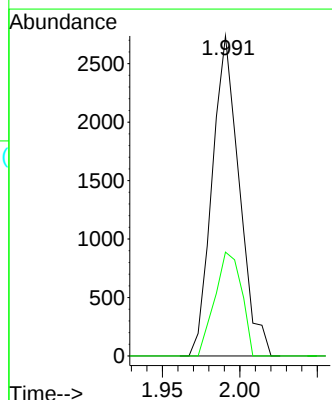
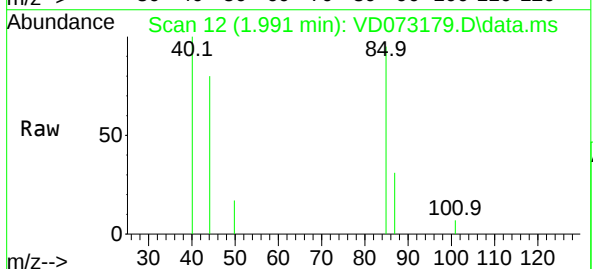


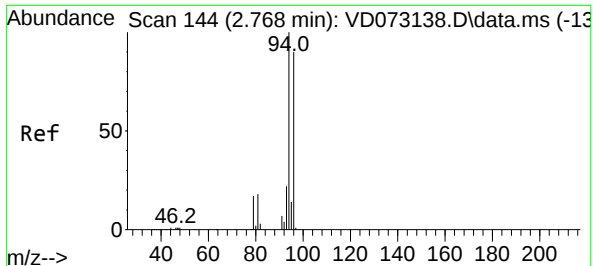
Tgt Ion:168 Resp: 295050
Ion Ratio Lower Upper
168 100
99 58.7 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.130 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

Tgt Ion: 85 Resp: 3331
Ion Ratio Lower Upper
85 100
87 32.4 15.7 47.0

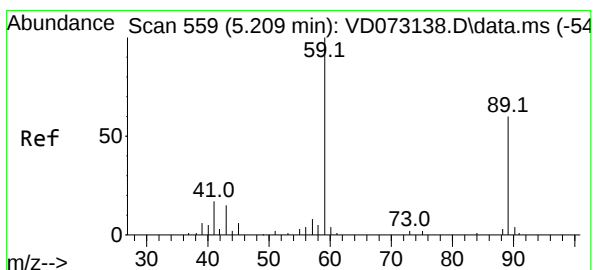
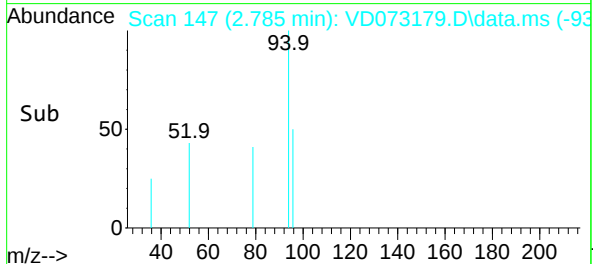
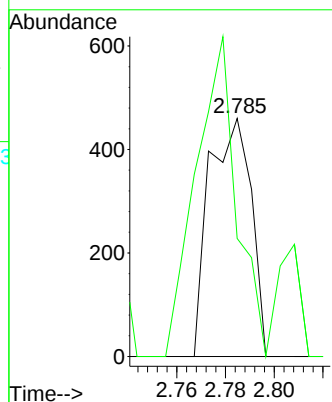
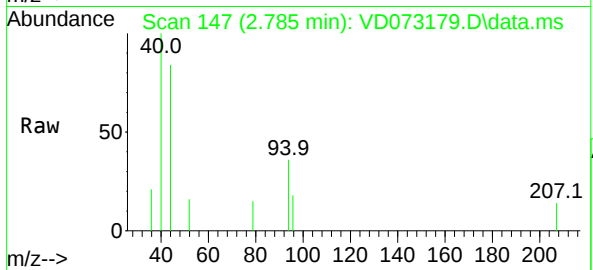




#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 144
Delta R.T. 0.017 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

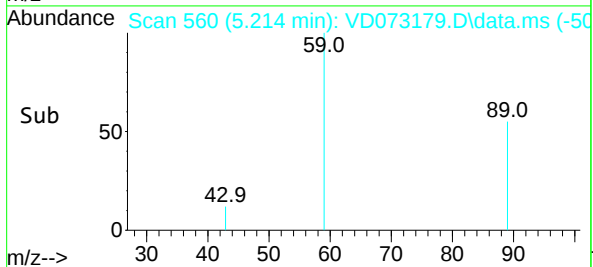
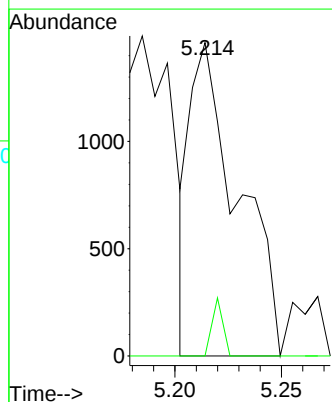
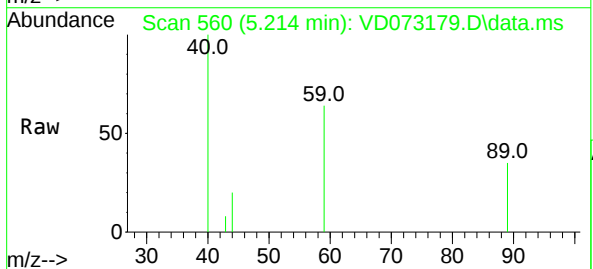
Instrument :
MSVOA_D
ClientSampleId :
P023-SS004-0006-01

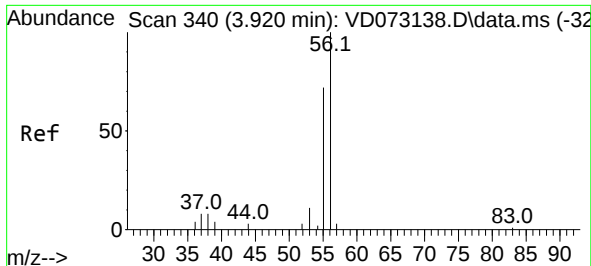
Tgt Ion: 94 Resp: 549
Ion Ratio Lower Upper
94 100
96 13.0 77.6 116.4#



#11
Tert butyl alcohol
Concen: 4.534 ug/l
RT: 5.214 min Scan# 560
Delta R.T. 0.005 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

Tgt Ion: 59 Resp: 2294
Ion Ratio Lower Upper
59 100
57 4.2 7.8 11.6#

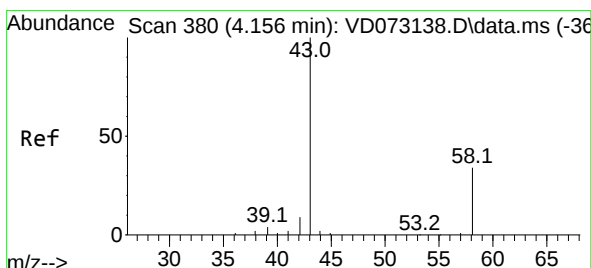
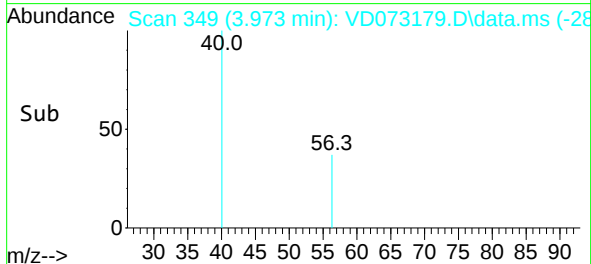
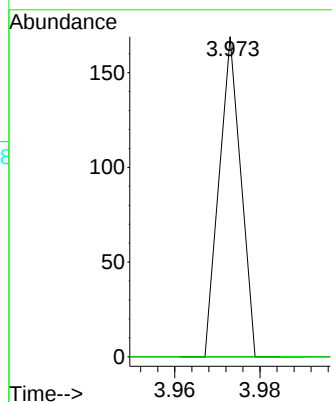
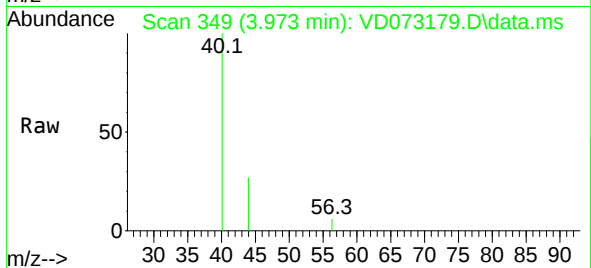




#13
Acrolein
Concen: Below Cal
RT: 3.973 min Scan# 34
Delta R.T. 0.053 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

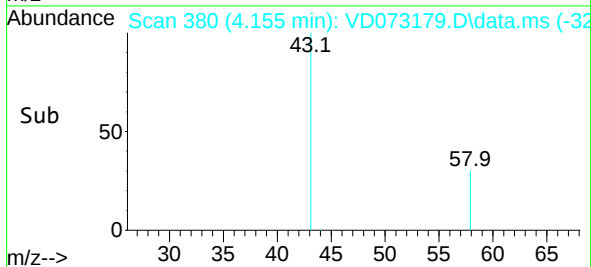
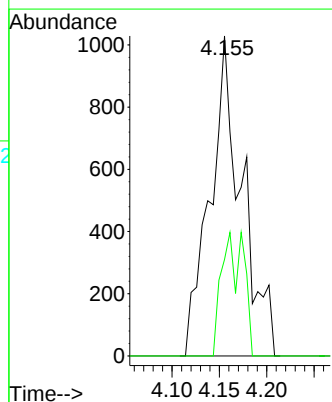
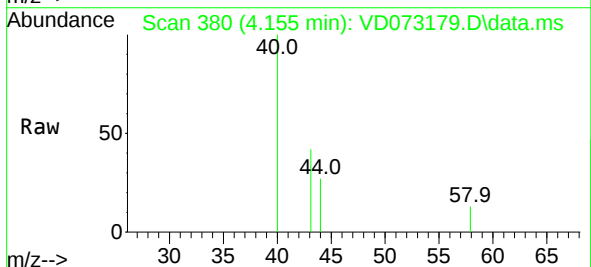
Instrument :
MSVOA_D
ClientSampleId :
P023-SS004-0006-01

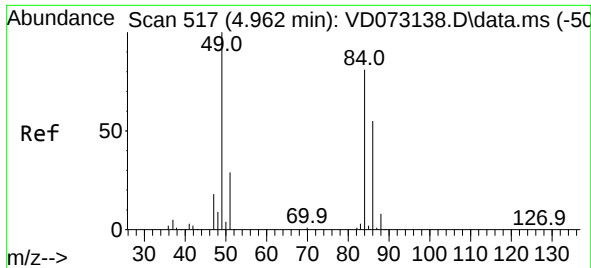
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 4.241 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

Tgt Ion: 43 Resp: 2395
Ion Ratio Lower Upper
43 100
58 30.1 22.1 33.1

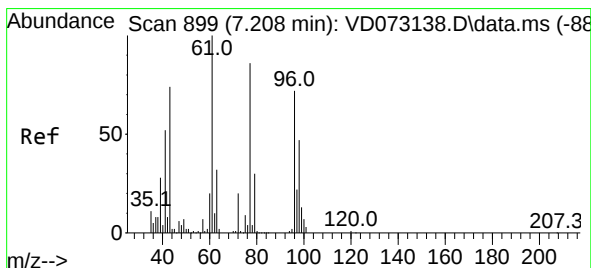
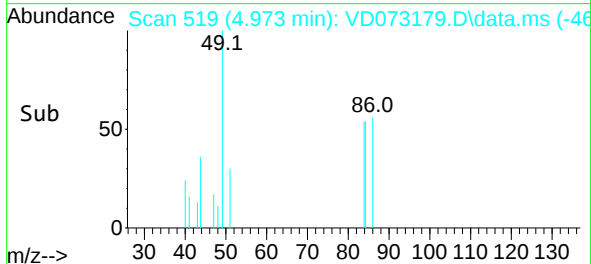
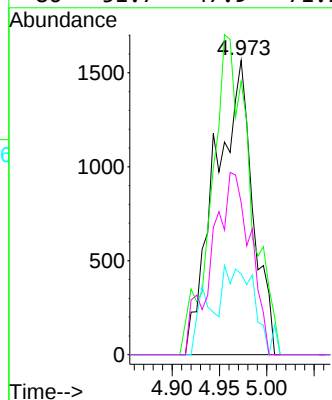
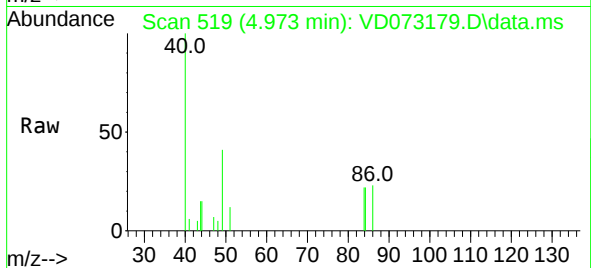




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

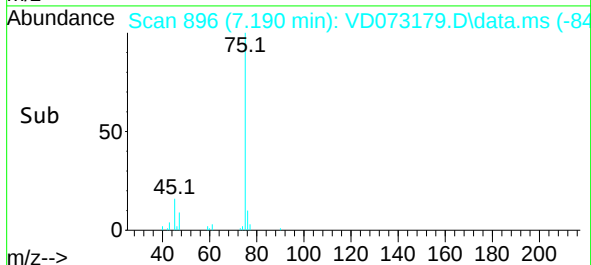
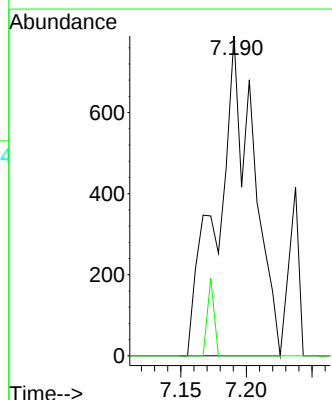
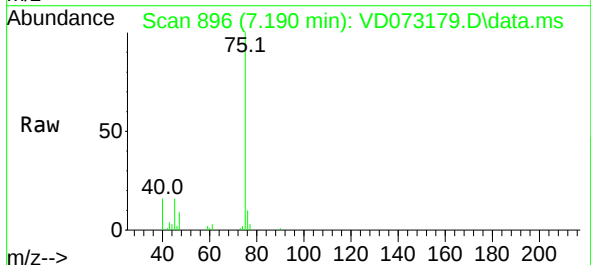
Instrument :
MSVOA_D
ClientSampleId :
P023-SS004-0006-01

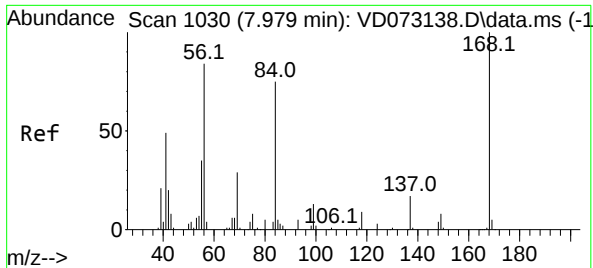
Tgt Ion: 84 Resp: 4307
Ion Ratio Lower Upper
84 100
49 92.8 112.8 169.2#
51 27.4 32.6 48.8#
86 51.7 47.9 71.9



#25
2-Butanone
Concen: 1.842 ug/l
RT: 7.190 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

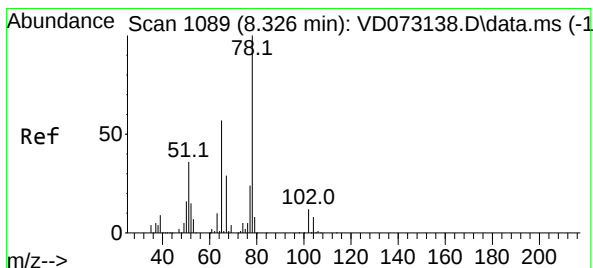
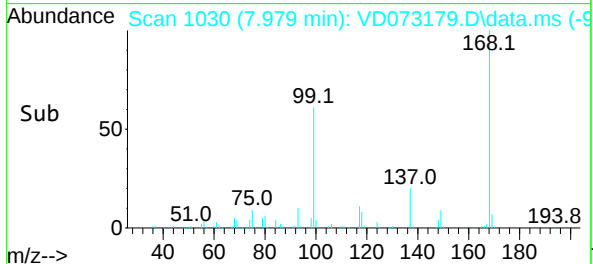
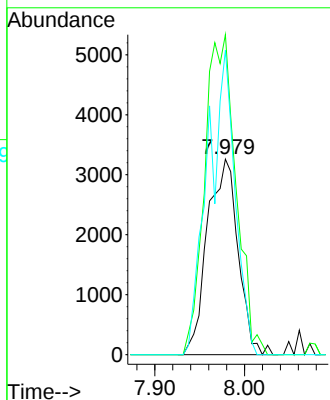
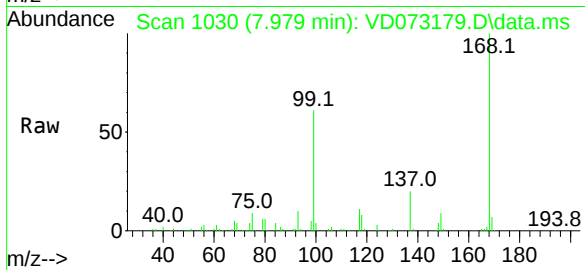




#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

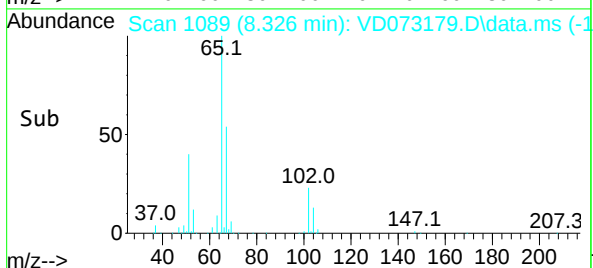
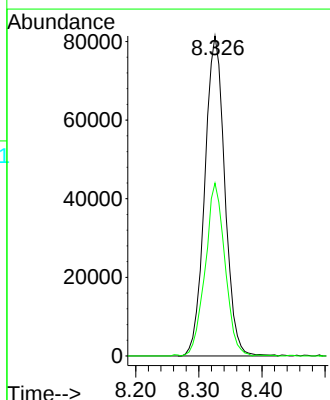
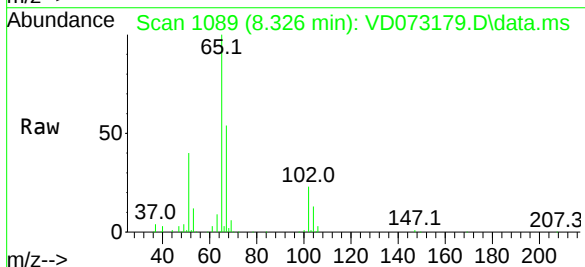
Instrument :
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P023-SS004-0006-01

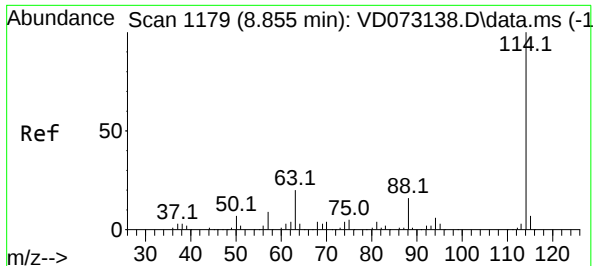
Tgt Ion: 56 Resp: 7726
Ion Ratio Lower Upper
56 100
69 163.7 25.4 38.2#
84 155.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 54.838 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

Tgt Ion: 65 Resp: 178812
Ion Ratio Lower Upper
65 100
67 53.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073179.D

Acq: 20 May 2022 12:00

Instrument :

MSVOA_D

ClientSampleId :

P023-SS004-0006-01

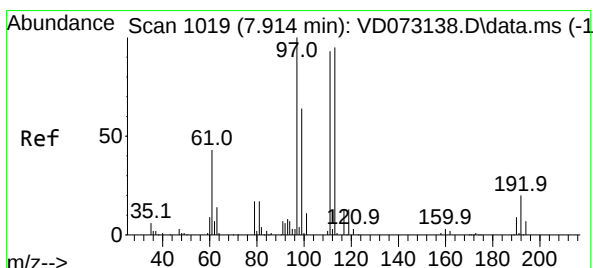
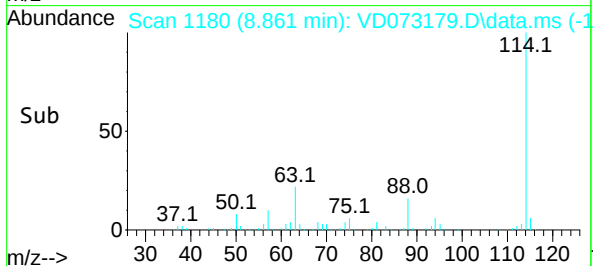
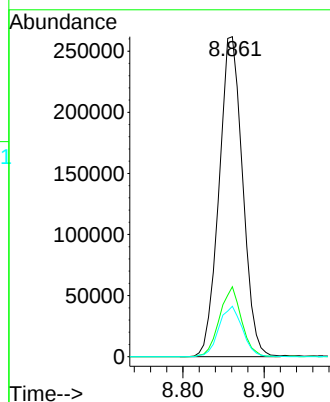
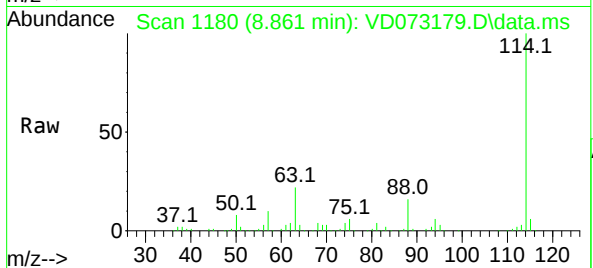
Tgt Ion:114 Resp: 529216

Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.917 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD073179.D

Acq: 20 May 2022 12:00

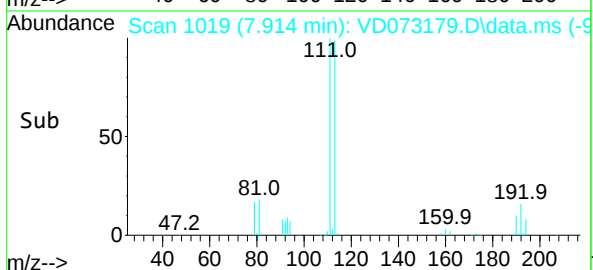
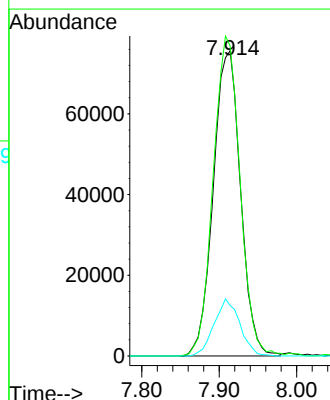
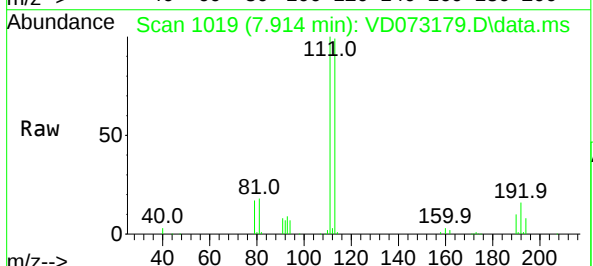
Tgt Ion:113 Resp: 184794

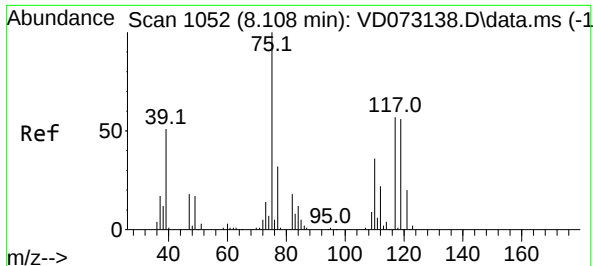
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 17.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073179.D

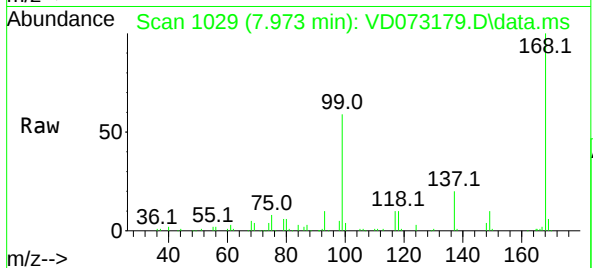
Acq: 20 May 2022 12:00

Instrument :

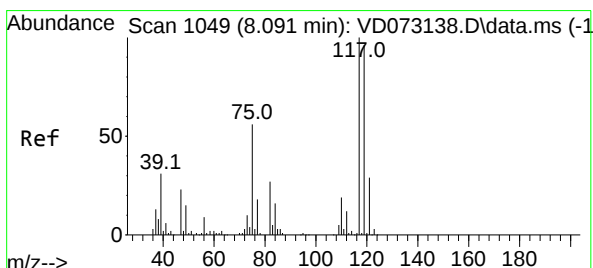
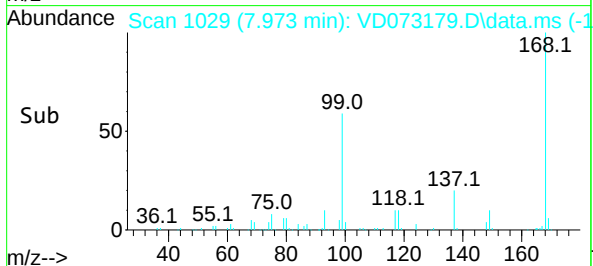
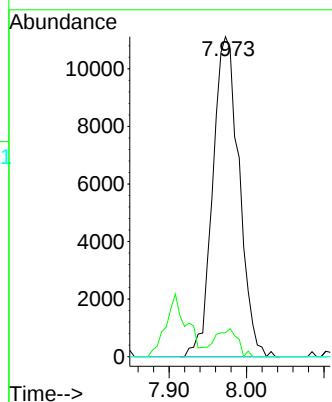
MSVOA_D

ClientSampleId :

P023-SS004-0006-01



Tgt Ion:	75	Resp:	26254
Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.801 ug/l

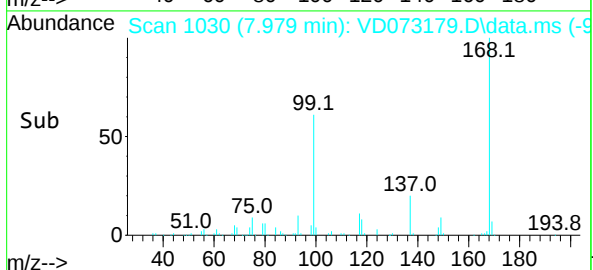
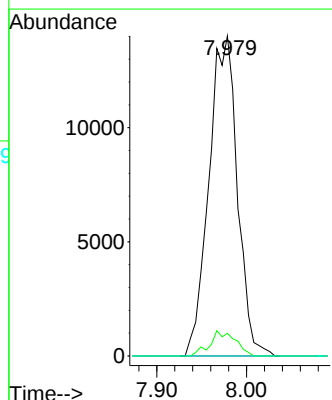
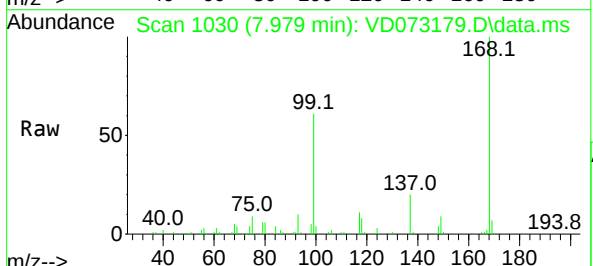
RT: 7.979 min Scan# 1030

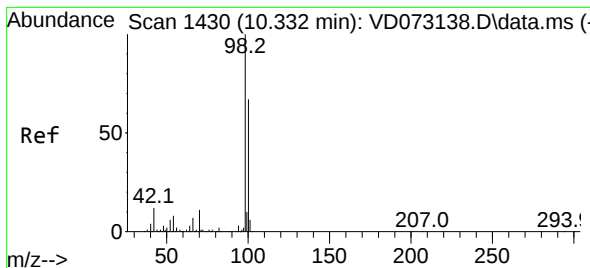
Delta R.T. -0.112 min

Lab File: VD073179.D

Acq: 20 May 2022 12:00

Tgt Ion:	117	Resp:	30884
Ion	Ratio	Lower	Upper
117	100		
119	7.1	75.8	113.6#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 51.306 ug/l

RT: 10.331 min Scan# 1430

Delta R.T. -0.001 min

Lab File: VD073179.D

Acq: 20 May 2022 12:00

Instrument :

MSVOA_D

ClientSampleId :

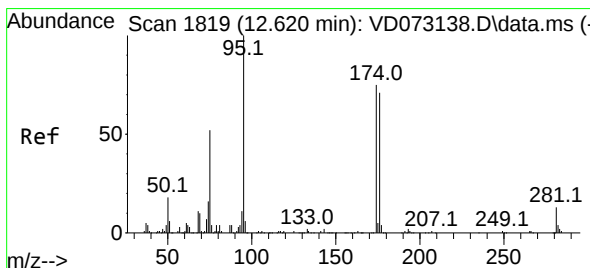
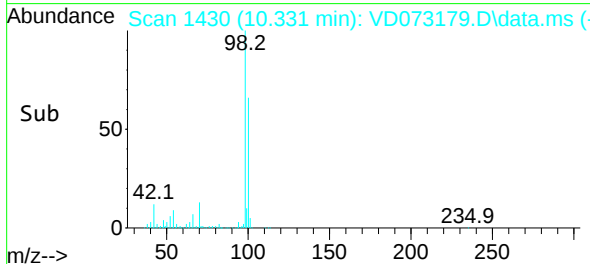
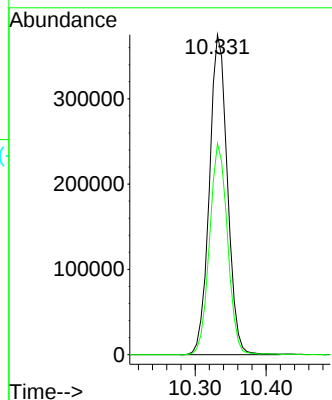
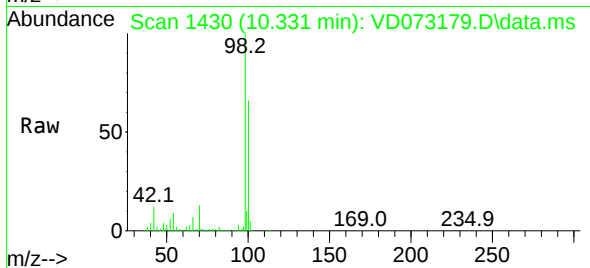
P023-SS004-0006-01

Tgt Ion: 98 Resp: 660454

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 53.451 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073179.D

Acq: 20 May 2022 12:00

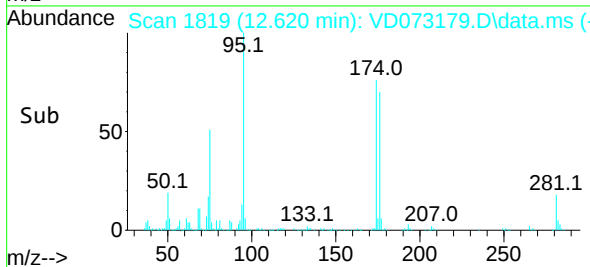
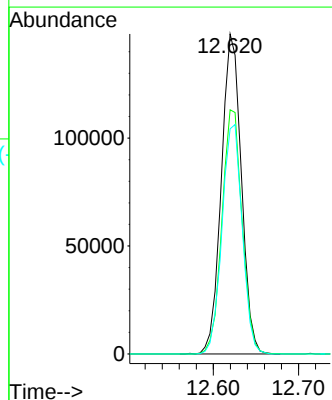
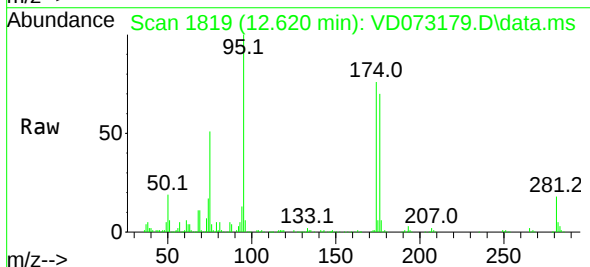
Tgt Ion: 95 Resp: 241470

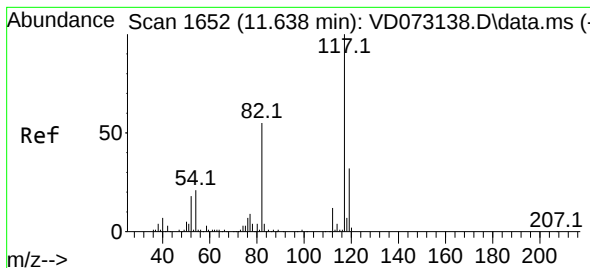
Ion Ratio Lower Upper

95 100

174 76.9 0.0 152.8

176 72.4 0.0 145.4

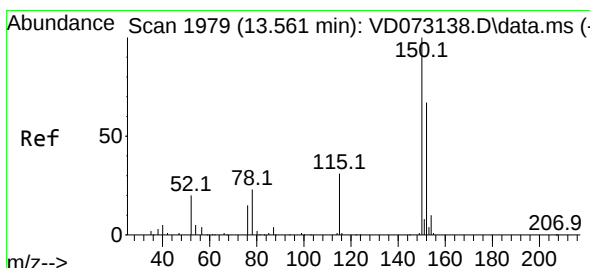
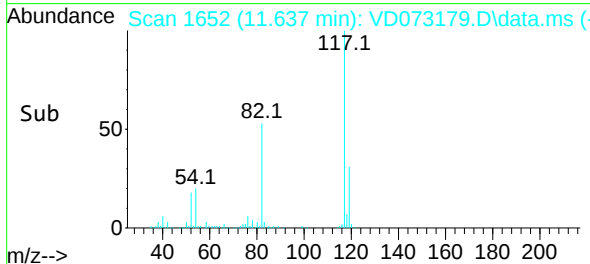
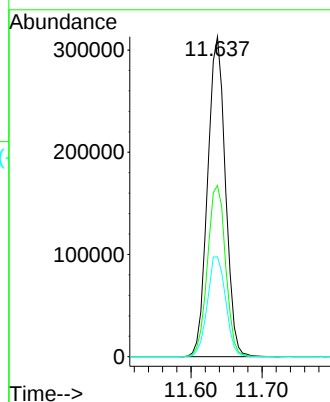
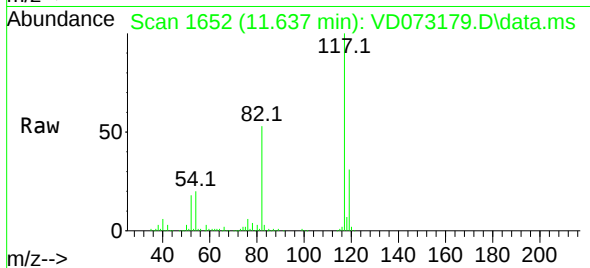




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

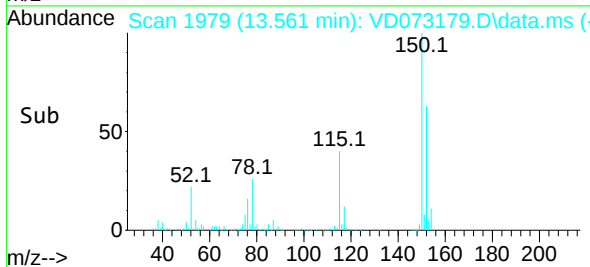
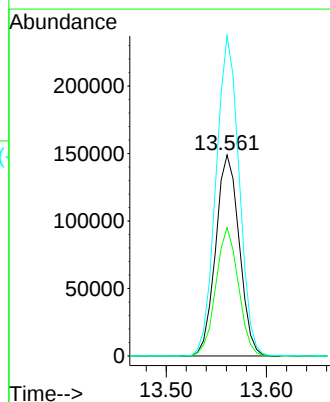
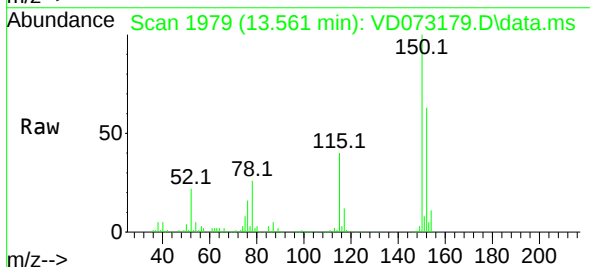
Instrument :
MSVOA_D
ClientSampleId :
P023-SS004-0006-01

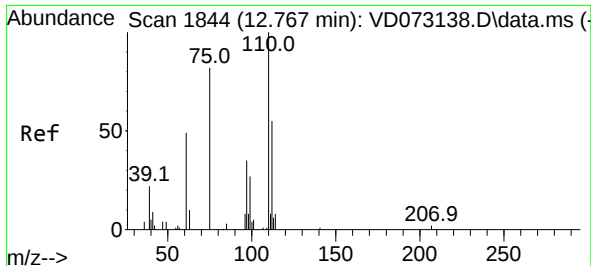
Tgt Ion:117 Resp: 544478
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 31.2 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

Tgt Ion:152 Resp: 243102
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 156.8 0.0 348.6

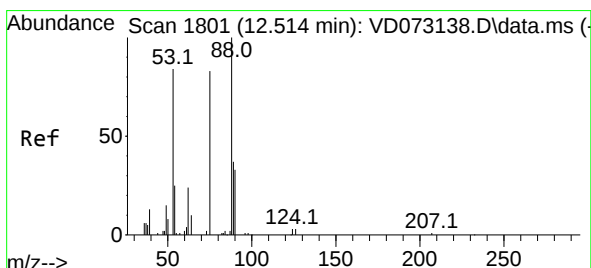
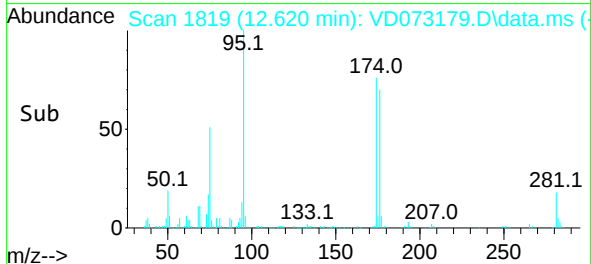
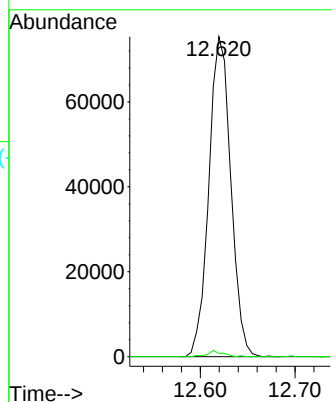
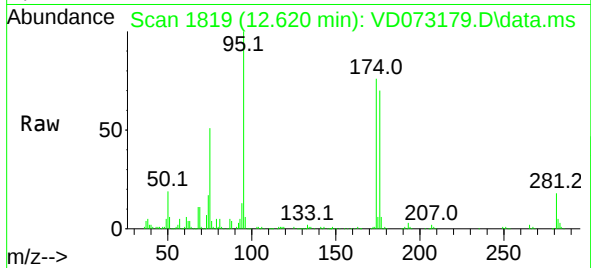




#76
1,2,3-Trichloropropane
Concen: 50.842 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

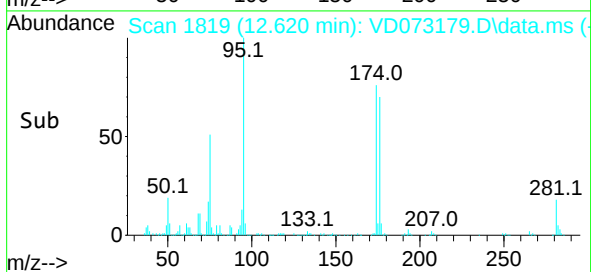
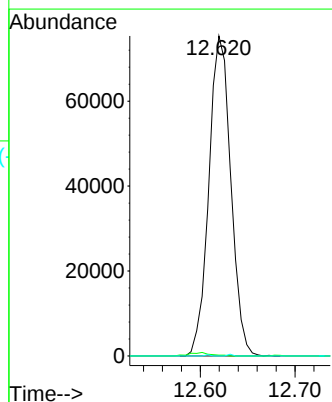
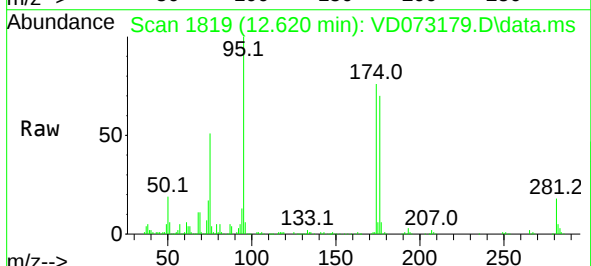
Instrument :
MSVOA_D
ClientSampleId :
P023-SS004-0006-01

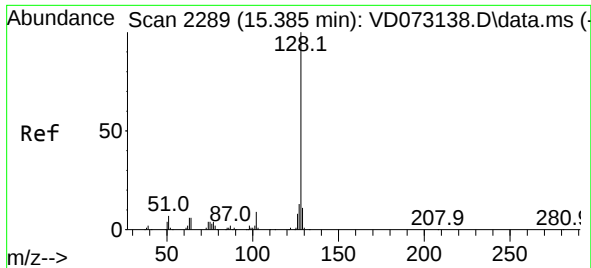
Tgt Ion: 75 Resp: 121270
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.055 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073179.D
Acq: 20 May 2022 12:00

Tgt Ion: 75 Resp: 121270
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#95

Naphthalene

Concen: 3.581 ug/l

RT: 15.384 min Scan# 21

Delta R.T. -0.001 min

Lab File: VD073179.D

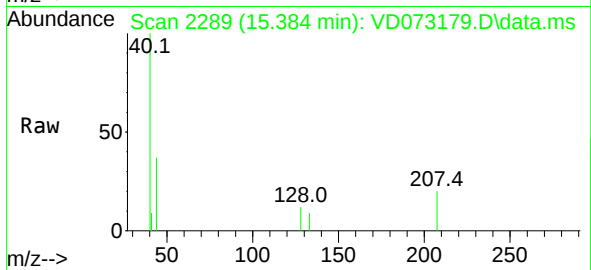
Acq: 20 May 2022 12:00

Instrument :

MSVOA_D

ClientSampleId :

P023-SS004-0006-01



Tgt Ion:	128	Resp:	343
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

